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SEQUENCE LISTING

<110> Tomb, Jean-Francois
Bramucci, Michael G.
Cheng, Qiong
Kostichka, Kristy N.

<120> Rhodococcus Cloning and Expression Vectors

<130> CL1709 US NA

<150> 60/254,868

<151> 2000-12-12

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Tyr Glu Leu Arg Asp Gly Leu Ala Glu Ile Ser Thr Ile Glu Ser Val
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Ala Val Val Glu Trp Ile Lys Arg Gly Gly Thr Ala Tyr Leu Val Thr
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Phe Thr Ala Arg His Gly His Thr Asp Arg Leu Ala Asp Leu Met Asp
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Ala Tyr Gln Arg Leu Ile Thr Gly Gly Thr Trp Ala Gly Arg Arg Ala
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Lys Asp Gly His Arg Ala Ala Asp Arg Glu Gly Ile Arg Asp Arg Ile
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Gly	Asn 370	Glu	Asp	Pro	Ala	Ala 375	Val	Gly	Glu	Arg	Val 380	Arg	Glu	Val	Leu
Ala 385	Leu	Ala	Asp	Ala	Ala 390	Asp	Thr	Val	Val	Val 395	Leu	Thr	Ala	Gly	Glu 400

Gly Gly Val Val Leu Thr Ser Asp Ala Met Arg Leu Val Val Gly Ala
405 410 415

Asp Ala Glu Leu Asp Leu Asp Asp Val Val Arg Ala Glu Ala Tyr Tyr
420 425 430

Ser Ala Val Asp Val Val Thr Gly Leu Gly Gly Arg Ala Asp His Val
435 440 445

Arg Val Ala Thr Ala Glu Glu Leu Ala Glu Val Gln Glu Val Leu Phe
450 455 460

Ala Arg Thr Gln Glu Arg Ala Glu Glu Ser Arg Arg Gln Arg Arg Ile
465 470 475 480

Ala Glu His Glu Ala Glu Gln Ala Ala Ala His Arg Lys Arg Gln Glu
485 490 495

Leu Ala Arg Cys Leu Gly Leu Leu Val Arg Gln Arg Gly Gly Thr Gln
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Asp Asp Ser Ala Ala Asp Asn Phe Val Ala His Ile His Ala Asn Arg
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<211> 451

<212> PRT

<213> Streptomyces nigirifaciens

<400> 24

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Ser Val Val Leu Gly Leu Met Arg Cys Gly Arg Ile Trp Leu Cys Pro
20 25 30

Val Cys Ala Ala Thr Ile Arg His Lys Arg Ala Glu Glu Ile Thr Ala
35 40 45

Ala Val Val Glu Trp Ile Lys Arg Gly Gly Thr Ala Tyr Leu Val Thr
50 55 60

Phe Thr Ala Arg His Gly His Thr Asp Arg Leu Ala Asp Leu Met Asp
65 70 75 80

Ala Leu Gln Gly Thr Arg Lys Thr Ala Asp Ala Pro Arg Arg Pro Gly
 85 90 95
 Ala Tyr Gln Arg Leu Ile Thr Gly Gly Thr Trp Ala Gly Arg Arg Ala
 100 105 110
 Lys Asp Gly His Arg Ala Ala Asp Arg Glu Gly Ile Arg Asp Arg Ile
 115 120 125
 Gly Tyr Val Gly Met Ile Arg Ala Thr Glu Val Thr Val Gly Gln Ile
 130 135 140
 Asn Gly Trp His Pro His Ile His Ala Ile Val Leu Val Gly Gly Arg
 145 150 155 160
 Thr Glu Gly Glu Arg Ser Ala Lys Gln Ile Val Gly Thr Phe Glu Pro
 165 170 175
 Ser Glu Ala Ala Leu Asp Glu Trp Gln Gly Gln Trp Arg Ala Val Trp
 180 185 190
 Thr Ala Ala Leu Arg Lys Val Asn Pro Gln Phe Thr Pro Asp Asp Arg
 195 200 205
 His Gly Val Asp Phe Lys Arg Leu Glu Thr Glu Arg Asp Ala Asn Asp
 210 215 220
 Leu Ala Glu Tyr Ile Ala Lys Thr Gln Asp Gly Lys Ala Pro Ala Leu
 225 230 235 240
 Glu Leu Ala Arg Ala Asp Leu Lys Thr Ala Asn Gly Gly Asn Val Ala
 245 250 255
 Pro Phe Glu Leu Leu Gly Arg Ile Gly Asp Leu Thr Gly Gly Met Thr
 260 265 270
 Glu Asp Asp Ala Ala Gly Val Gly Ser Leu Glu Trp Asn Leu Ala Arg
 275 280 285
 Trp His Glu Tyr Glu Arg Ala Thr Lys Gly Arg Arg Ala Ile Glu Trp
 290 295 300
 Thr Arg Tyr Leu Arg Gln Met Leu Gly Leu Asp Gly Gly Asp Thr Glu
 305 310 315 320
 Ala Asp Asp Leu Asp Leu Leu Leu Ala Ala Asp Ala Asp Gly Gly Glu
 325 330 335

Leu Arg Ala Gly Val Ala Val Thr Glu Asp Gly Trp His Ala Val Thr
 340 345 350

Arg Arg Ala Leu Asp Leu Ala Ala Thr Gln Ala Ala Glu Gly Thr Asp
 355 360 365

Gly Asn Thr Asp Pro Ala Ala Met Gly Glu Arg Val Arg Glu Val Leu
 370 375 380

Ala His Ala Asp Ala Ala Asp Ala Val Val Val Leu Thr Ser Gly Glu
 385 390 395 400

Val Ala Glu Ala Tyr Ala Asp Met Leu Ala Ala Leu Ala Leu Arg Arg
 405 410 415

Glu Glu Ala Ala Ala Arg Arg Arg Arg Glu Gln Asp Asp Asp Gln Asp
 420 425 430

Asp Asp Ala Asp Asp Arg Gln Glu Arg Ala Ala Arg His Ile Ala Arg
 435 440 445

Leu Arg Asn
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<212> DNA

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30

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<213> Streptomyces phaeochromogenes

<400> 26

ctggcaaaaaa gggacgccta ggtaaaggtt

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<211> 31

<212> DNA

<213> *Streptomyces nigirifaciens*

<400> 27

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<212> DNA

<213> Primer

<400> 28

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20

<210> 29

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<212> DNA

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